Report of the
PUBLIC EMPLOYEE RETIREMENT
ADMINISTRATION COMMISSION
on the Examination of the
Milford
Contributory Retirement System
For the Three Year Period
January 1, 1999 - December 31, 2001
PERAC 01: 09-061-28

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December 15, 2003

The Public Employee Retirement Administration Commission has completed an examination of the **Milford** Retirement System pursuant to G.L. c. 32, §. 21. The examination covered the period from January 1, **1999** to December 31, **2001**. This audit was conducted in accordance with the accounting and management standards established by the Public Employee Retirement Administration Commission in regulation 840 CMR 25.00. Additionally, all supplementary regulations approved by PERAC and on file at PERAC are listed in this report.

In our opinion, the financial records and management functions are being performed in conformity with the standards established by the Public Employee Retirement Administration Commission. There were no significant findings to report.

We commend the **Milford** Retirement Board for the exemplary operation of the system.

In closing, I acknowledge the work of examiner Richard Ackerson who conducted this examination and expresses appreciation to the Board of Retirement and staff for their courtesy and cooperation.

Sincerely,

Joseph E. Connarton Executive Director

STATEMENT OF LEDGER ASSETS AND LIABILITIES

	FOR THE PERIO	OD ENDING DEC	CEMBER 31,
ASSETS	2001	2000	1999
Cash	\$1,381,266	\$975,711	\$1,041,872
Short Term Investments	0	0	0
Fixed Income Securities (at book value)	19,914,060	18,476,818	15,850,325
Equities	20,746,310	23,160,877	23,104,437
Pooled Short Term Funds	0	0	0
Pooled Domestic Equity Funds	0	0	0
Pooled International Equity Funds	0	0	0
Pooled Global Equity Funds	0	0	0
Pooled Domestic Fixed Income Funds	0	0	0
Pooled International Fixed Income Funds	0	0	0
Pooled Global Fixed Income Funds	0	0	0
Pooled Alternative Investment Funds	0	0	0
Pooled Real Estate Funds	0	0	0
Pooled Domestic Balanced Funds	0	0	0
Pooled International Balanced Funds	0	0	0
PRIT Cash Fund	0	0	0
PRIT Core Fund	0	0	0
Interest Due and Accrued	340,043	295,300	237,831
Accounts Receivable	250,269	216,781	140,517
Accounts Payable	0	(116,341)	(11,908)
TOTAL	\$42,631,949	\$43,009,145	\$40,363,074
FUND BALANCES			
Annuity Savings Fund	\$10,737,642	\$9,967,083	\$9,542,671
Annuity Reserve Fund	2,046,023	1,999,480	1,724,437
Pension Fund	7,457,034	7,883,940	8,120,026
Military Service Fund	0	0	604
Expense Fund	0	0	0
Pension Reserve Fund	22,391,250	23,158,642	20,975,337
TOTAL	\$42,631,949	\$43,009,145	\$40,363,074

STATEMENT OF CHANGES IN FUND BALANCES

	Annuity Savings Fund	Annuity Reserve Fund	Pension Fund	Military Service Fund	Expense Fund	Pension Reserve Fund	Total All Funds
Beginning Balance (1999)	\$8,756,401	\$1,685,538	\$8,178,714	\$591	\$0	\$18,795,673	\$37,416,917
Receipts	1,164,664	48,355	2,093,838	13	174,354	2,180,119	5,661,342
Interfund Transfers	(302,253)	302,708	0	0	0	(455)	0
Disbursements	(<u>76,141</u>)	(312,164)	(2,152,526)	<u>0</u>	(174,354)	<u>0</u>	(<u>2,715,185</u>)
Ending Balance (1999)	9,542,671	1,724,437	8,120,026	604	0	20,975,337	40,363,074
Receipts	1,215,386	48,543	2,074,539	0	247,027	2,183,057	5,768,551
Interfund Transfers	(578,079)	578,434	0	(604)	0	249	0
Disbursements	(212,895)	(351,934)	(2,310,624)	<u>0</u>	(247,027)	<u>0</u>	(<u>3,122,480</u>)
Ending Balance (2000)	9,967,083	1,999,480	7,883,940	0	0	23,158,642	43,009,145
Receipts	1,252,995	59,706	2,057,315	0	262,622	(768,858)	2,863,780
Interfund Transfers	(375,334)	373,869	0	0	0	1,465	0
Disbursements	(107,102)	(387,032)	(2,484,221)	<u>0</u>	(262,622)	<u>0</u>	(3,240,977)
Ending Balance (2001)	\$ <u>10,737,642</u>	\$ <u>2,046,023</u>	\$ <u>7,457,034</u>	\$ <u>0</u>	\$ <u>0</u>	\$22,391,250	\$ <u>42,631,949</u>

STATEMENT OF INCOME

FOR THE PERIOD ENDING DECEMBER 31,							
	2001	2000	1999				
Annuity Savings Fund:							
Members Deductions	\$1,066,151	\$997,648	\$926,313				
Transfers from other Systems	1,850	24,196	4,550				
Member Make Up Payments and Redeposits	850	2,406	44,741				
Investment Income Credited to Member Accounts	184,144	191,136	189,060				
Sub Total	1,252,995	1,215,386	1,164,664				
Annuity Reserve Fund:							
Investment Income Credited Annuity Reserve Fund	<u>59,706</u>	48,543	48,355				
Pension Fund:							
3 (8) (c) Reimbursements from Other Systems	39,262	22,286	12,940				
Received from Commonwealth for COLA and							
Survivor Benefits	86,354	188,387	263,002				
Pension Fund Appropriation	<u>1,931,700</u>	1,863,865	<u>1,817,896</u>				
Sub Total	2,057,315	2,074,539	2,093,838				
Military Service Fund:		<u>'</u>					
Contribution Received from Municipality on Account							
of Military Service	0	0	0				
Investment Income Credited Military Service Fund	<u>0</u>	<u>0</u>	<u>13</u>				
Sub Total	<u>0</u>	<u>0</u>	<u>13</u>				
Expense Fund:							
Expense Fund Appropriation	0	0	0				
Investment Income Credited to Expense Fund	262,622	247,027	174,354				
Sub Total	262,622	247,027	174,354				
		,					
Pension Reserve Fund:							
Federal Grant Reimbursement	16,124	12,021	12,057				
Pension Reserve Appropriation	0	0	0				
Interest Not Refunded	1,580	1,777	1,680				
Excess Investment Income	(786,561)	2,169,258	2,166,382				
Sub Total	(<u>768,858</u>)	2,183,057	2,180,119				
TOTAL RECEIPTS	\$ <u>2,863,780</u>	\$ <u>5,768,551</u>	\$ <u>5,661,342</u>				

STATEMENT OF DISBURSEMENTS

	FOR THE PERIO	OD ENDING DEC	TEMBED 31
Annuity Savings Fund:	2001	2000	1999
Refunds to Members	\$93,361	\$138,360	\$65,918
Transfers to other Systems	13,740	74,535	10,223
Sub Total	107,102	212,895	76,141
	107,102	212,075	70,141
Annuity Reserve Fund: Annuities Paid	387,032	351,934	212 164
Option B Refunds	0	0	312,164
	<u> </u>	_	<u> </u>
Sub Total	387,032	<u>351,934</u>	312,164
Pension Fund:			
Pensions Paid			
Regular Pension Payments	1,675,545	1,599,168	1,495,423
Survivorship Payments	124,347	84,571	79,202
Ordinary Disability Payments	30,877	28,683	27,399
Accidental Disability Payments	502,281	446,200	391,988
Accidental Death Payments	88,768	87,697	87,971
Section 101 Benefits	13,067	12,740	12,310
3 (8) (c) Reimbursements to Other Systems	49,335	51,565	58,233
State Reimbursable COLA's Paid	0	0	0
Chapter 389 Beneficiary Increase Paid	<u>0</u>	<u>0</u>	<u>0</u>
Sub Total	2,484,221	2,310,624	2,152,526
Military Service Fund:			
Return to Municipality for Members Who			
Withdrew Their Funds	<u>0</u>	<u>0</u>	<u>0</u>
Expense Fund:			
Board Member Stipend	0	0	0
Salaries	95,000	70,000	65,000
Legal Expenses	0	0	0
Medical Expenses	0	0	0
Travel Expenses	86	1,153	818
Administrative Expenses	18,215	32,732	23,171
Furniture and Equipment	0	6,490	3,039
Management Fees	124,249	113,319	37,567
Custodial Fees	25,072	23,332	44,758
Consultant Fees	0	0	0
Sub Total	262,622	247,027	174,354
TOTAL DISDLIB STATES			
TOTAL DISBURSEMENTS	\$ <u>3,240,977</u>	\$ <u>3,122,480</u>	\$ <u>2,715,185</u>

INVESTMENT INCOME

	FOR THE PERIO	OD ENDING DEC	CEMBER 31,
	2001	2000	1999
Investment Income Received From:			
Cash	\$41,364	\$58,344	\$30,273
Short Term Investments	0	0	0
Fixed Income	1,300,460	1,171,282	1,102,332
Equities	148,732	137,694	137,362
Pooled or Mutual Funds	0	0	0
Commission Recapture	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL INVESTMENT INCOME	1,490,556	1,367,321	1,269,967
Plus:			
Increase in Amortization of Fixed Income Securities	0	0	0
Realized Gains	862,789	7,919	1,315,559
Unrealized Gains	2,443,914	4,985,803	4,406,434
Interest Due and Accrued on Fixed Income Securities -			
Current Year	340,043	<u>295,300</u>	237,831
Sub Total	3,646,747	5,289,022	5,959,825
Less:			
Decrease in Amortization of Fixed Income Securities	0	0	(250)
Paid Accrued Interest on Fixed Income Securities	(132,886)	(99,685)	(151,526)
Realized Loss	(1,599,919)	(1,101,419)	(2,696,317)
Unrealized Loss	(3,389,288)	(2,561,443)	(1,598,033)
Interest Due and Accrued on Fixed Income Securities -			
Prior Year	(295,300)	(237,831)	(205,502)
Sub Total	(<u>5,417,394</u>)	(<u>4,000,379</u>)	(<u>4,651,628</u>)
NET INVESTMENT INCOME	(<u>280,090</u>)	2,655,964	2,578,163
Income Required:			
Annuity Savings Fund	184,144	191,136	189,060
Annuity Reserve Fund	59,706	48,543	48,355
Military Service Fund	0	0	13
Expense Fund	262,622	<u>247,027</u>	174,354
TOTAL INCOME REQUIRED	<u>506,471</u>	486,705	411,782
Net Investment Income	(280,090)	2,655,964	2,578,163
Less: Total Income Required	506,471	486,705	411,782
EXCESS INCOME TO THE PENSION		1001,100	111,02
RESERVE FUND		\$ <u>2,169,258</u>	\$ <u>2,166,382</u>

STATEMENT OF ALLOCATION OF INVESTMENTS OWNED

(percentages by category)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

	BOOK VALUE*	MARKET VALUE	PERCENTAGE OF TOTAL ASSETS	PERCENTAGE ALLOWED*
Cash		\$1,381,266	3.29%	100
Short Term		0	0.00%	100
Fixed Income		19,914,060	47.37%	40 - 80
Equities		20,746,310	49.35%	60
Pooled Short Term Funds		0	0.00%	
Pooled Domestic Equity Funds		0	0.00%	
Pooled International Equity Funds		0	0.00%	
Pooled Global Equity Funds		0	0.00%	
Pooled Domestic Fixed Income Funds		0	0.00%	
Pooled International Fixed Income Funds		0	0.00%	
Pooled Global Fixed Income Funds		0	0.00%	
Pooled Alternative Investment Funds		0	0.00%	
Pooled Real Estate Funds		0	0.00%	
Pooled Domestic Balanced Funds		0	0.00%	
Pooled International Balanced Funds		0	0.00%	
PRIT Cash Fund		0	0.00%	
PRIT Core Fund		<u>0</u>	0.00%	100
GRAND TOTALS	\$ <u>0</u>	\$ <u>42,041,636</u>	<u>100.00</u> %	

For the year ending December 31, **2001**, the rate of return for the investments of the **Milford** Retirement System was -0.66%. For the five-year period ending December 31, **2001**, the rate of return for the investments of the **Milford** Retirement System averaged 9.02%. For the 17-year period ending December 31, **2001**, since PERAC began evaluating the returns of the retirement systems, the rate of return of the investments of the **Milford** Retirement System was 10.05%.

^{*} The book value differs from the market value for individually owned Fixed Income Securities which are valued at amortized cost which is the original cost of the investment plus or minus any bond discount or bond premium calculated ratably to maturity. All other investments are reflected at their quoted market value.

SUPPLEMENTARY INVESTMENT REGULATIONS

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

The **Milford** Retirement System submitted the following supplementary investment regulations, which were approved by PERAC on :

June 15, 1989

20.05(8) Sales of fixed income investments with maturities exceeding one year shall not exceed 200% of the market value of all fixed income obligations in any twelve-month period, excluding

cash and short-term obligations.

Sales of equity investments shall not exceed 200% of the average market value of all equity holdings in any twelve-month period.

September 12, 1996

20.03(2) At least 40% but no more than 80% of the total portfolio valued at market shall consist of fixed income investments with a maturity of more than one year including Yankee Bonds and Eurobonds which shall be limited to 12% of the total fixed income portfolio valued at market.

July 23, 1997

20.03(1) Equity investments shall not exceed 60% of the total market value of the portfolio at the time of purchase.

NOTES TO FINANCIAL STATEMENTS

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

NOTE 1 - THE SYSTEM

The plan is a contributory defined benefit plan covering all **Milford** Retirement System member unit employees deemed eligible by the retirement board, with the exception of school department employees who serve in a teaching capacity. The Teachers' Retirement Board administers the pensions of such school employees.

Instituted in 1937, the System is a member of the Massachusetts Contributory Retirement System and is governed by Chapter 32 of the Massachusetts General Laws. Membership in the plan is mandatory immediately upon the commencement of employment for all permanent, full-time employees.

The system provides for retirement allowance benefits up to a maximum of 80% of a member's highest three year average annual rate of regular compensation. Benefit payments are based upon a member's age, length of creditable service, level of compensation, and group classification.

Members become vested after ten years of creditable service. A superannuation retirement allowance may be received upon the completion of twenty years of service or upon reaching the age of 55 with ten years of service. Normal retirement for most employees occurs at age 65 (for certain hazardous duty and public safety positions, normal retirement is at age 55).

A retirement allowance consists of two parts: an annuity and a pension. A member's accumulated total deductions and a portion of the interest they generate constitute the annuity. The differential between the total retirement benefit and the annuity is the pension. The average retirement benefit is approximately 75 - 85% pension and 15 - 25% annuity.

Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Members joining the retirement system after January 1, 1979 must contribute an additional 2% on regular compensation earned at a rate in excess of \$30,000. The percentage rate is keyed to the date upon which an employee's membership commences. These deductions are deposited in the Annuity Savings Fund and earn interest at a rate determined by the Executive Director of PERAC according to statute. When a member's retirement becomes effective, his/her deductions and related interest are transferred to the Annuity Reserve Fund. Any cost-of-living adjustment granted between 1981 and 1997 and any increase in other benefits imposed by state law during that period are borne by the state.

The pension portion of any retirement benefit is paid from the Pension Fund of the System. The governmental unit employing the member must annually appropriate and contribute the amount of current year pension payments as indicated on the most recent funding schedule as approved by PERAC's Actuary. Until recently, retirement systems were paying only the actual retirement

NOTES TO FINANCIAL STATEMENTS (Continued)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

benefits that were due each year. Systems had no statutory authorization to put aside any money for the future benefits of employees who are now working. Large unfunded liabilities resulted from operating upon this pay-as-you-go basis. In 1977, legislation authorized local governments to appropriate funds to meet future pension obligations.

In 1983, additional legislation was passed requiring the transfer of investment earnings (in excess of the amount credited to member accounts) into the Pension Reserve Fund. These initiatives have significantly reduced the rate of growth of the retirement systems' unfunded liabilities, and in some systems have actually eliminated such liability.

Administrative expenses are funded through investment income of the system.

Members who become permanently and totally disabled for further duty may be eligible to receive a disability retirement allowance. The amount of benefits to be received in such cases is dependent upon several factors including: whether or not the disability is work related, the member's age, years of creditable service, level of compensation, veteran's status, and group classification.

Employees who resign from service and who are not eligible to receive a retirement allowance or are under the age of 55 are entitled to request a refund of their accumulated total deductions. In addition, depending upon the number of years of creditable service, such employees are entitled to receive either zero (0%) percent, fifty (50%) percent, or one hundred (100%) percent of the regular interest which has accrued upon those deductions. Survivor benefits are extended to eligible beneficiaries of members whose death occurs prior to or following retirement.

NOTE 2 - SIGNIFICANT ACCOUNTING POLICIES

The accounting records of the System are maintained on a calendar year basis in accordance with the standards and procedures established by the Executive Director of Public Employee Retirement Administration Commission.

The <u>Annuity Savings Fund</u> is the fund in which members' contributions are deposited. Active members contribute either 5, 7, 8, or 9% of their gross regular compensation. Voluntary contributions, redeposits, and transfers to and from other systems, are also accounted for in this fund. Members' contributions to the fund earn interest at a rate determined by PERAC. Interest for some members who withdraw with less than ten years of service is transferred to the Pension Reserve Fund. Upon retirement, members' contributions and interest are transferred to the Annuity Reserve Fund. Dormant account balances must be transferred to the Pension Reserve Fund after a period of ten years of inactivity.

NOTES TO FINANCIAL STATEMENTS (Continued)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

The <u>Annuity Reserve Fund</u> is the fund to which a member's account is transferred upon retirement from the Annuity Savings Fund and Special Military Service Credit Fund. The annuity portion of the retirement allowance is paid from this fund. Interest is credited monthly to this fund at the rate of 3% annually on the previous month's balance.

The <u>Special Military Service Credit Fund</u> contains contributions and interest for members while on a military leave for service in the Armed Forces who will receive creditable service for the period of that leave.

The Expense Fund contains amounts transferred from investment income for the purposes of administering the retirement system.

The <u>Pension Fund</u> contains the amounts appropriated by the governmental units as established by PERAC to pay the pension portion of each retirement allowance.

The <u>Pension Reserve Fund</u> contains amounts appropriated by the governmental units for the purposes of funding future retirement benefits. Any profit or loss realized on the sale or maturity of any investment or on the unrealized gain of a market valued investment as of the valuation date is credited to the Pension Reserve Fund. Additionally, any investment income in excess of the amount required to credit interest to the Annuity Savings Fund, Annuity Reserve Fund, and Special Military Service Credit Fund is credited to this Reserve account.

The <u>Investment Income Account</u> is credited with all income derived from interest and dividends of invested funds. At year-end the interest credited to the Annuity Savings Fund, Annuity Reserve Fund, Expense Fund, and Special Military Service Credit Fund is distributed from this account and the remaining balance is transferred to the Pension Reserve Fund.

NOTE 3 - SUPPLEMENTARY MEMBERSHIP REGULATIONS

The **Milford** Retirement System submitted the following supplementary membership regulations, which were approved by PERAC on:

January 3, 1985

In all cases where the member requests credit for prior service or for retirement under sections 56-60 of chapter 32, it will be the responsibility of the member to prove with adequate documentation as the board may require. In the case of retirement under sections 56-60 only actual payroll documentation will be accepted.

NOTES TO FINANCIAL STATEMENTS (Continued)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

NOTE 3 - SUPPLEMENTARY MEMBERSHIP REGULATIONS (Continued)

Amount of Creditable Service:

Part-time employees' credit will be granted depending upon the work history of the employee. Two categories of employment are considered as follows:

A. Employees in this category will have worked on a less than full time basis throughout their years of service. For this category of employee, credit will be granted on the basis of one year of credit for each year of service.

B. Employees in this category will have worked on both a full time and part time capacity during their years of service. In this category, credit for service will be computed on an individual basis. For the full time service the employee will receive one year of credit for each year of service. For the part time service the employee will receive one year of credit for two years of part time service. An alternative computation of creditable service will be made by using actual hours worked. This computation will be made by using a ratio the dividend of which will represent the hours worked per year and the divisor will represent the normal hours to be worked. The percentage thus computed will be that portion of a year's credit for the part time work.

Part-time Employees:

Intermittent/Provisional employees shall join the system after six months employment.

September 4, 1985

FILING OF STATEMENT

Pursuant to G.L. c. 32, § 18, the Board may require the employee to submit certain information as may be required to administer the system. In cases where the member requests credit for prior service or for retirement G.L. c. 32, § 56-60, it will be the responsibility of the member to prove such prior service with adequate documentation. Adequate documentation shall mean documentation that has significant indicia of reliability and independence of relationship to the member.

Actual payroll documentation is the most reliable documentation. When such is not available, the Board may, in its discretion, accept secondary documentation of a contemporaneous independent and reliable nature such as Town Reports and publications and newspaper articles. Affidavits, which clearly indicate the time and place the member was employed, the relationship of the affiant to the member and the reason why or circumstances that the affiant remembers the member's employment during the period at issue may also be accepted provided that such affidavits have sufficient indicia of reliability and are otherwise supported by some contemporaneous secondary documents as described above.

NOTES TO FINANCIAL STATEMENTS (Continued)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

NOTE 3 - SUPPLEMENTARY MEMBERSHIP REGULATIONS (Continued)

October 28, 1991

Employees who are available for employment for at least thirty-four (34) weeks, of not less than twenty (20) hours each week in every calendar year or employees earning at least \$5,000.00 annually, must become members of the system.

Call fire fighters and Auxiliary Police shall be excluded from membership as of July 1, 1991.

CREDITABLE SERVICE

Part-time employees' credit will be granted depending upon the work history of the employee. Two categories of employment are considered as follows:

A. Employees in this category will have worked on a less (less than 35 hours per week) than full time basis throughout their years of service. For this category of employee, credit will be granted on the basis of one year of credit for each year of service. The pension thus computed will be on an equitable basis as a full time employee. The deciding factor in the computation of the pension will be three-year average earnings.

B. Employees in this category will have worked on both a full time and part time capacity during their years of service. In this category, credit for service will be computed on an individual basis. For the full time service the employee will receive one year of credit for each year of service. For the part time service the employee will receive one year of credit for two years of part time service. An alternative computation of creditable service will be made by using actual hours worked that may be verified by actual payroll records. This computation will be made by using a ratio the dividend of which will represent the hours worked per year and the divisor will represent the normal hours to be worked. The percentage thus computed will be that portion of a year's credit for the part time work.

NOTES TO FINANCIAL STATEMENTS (Continued)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

NOTE 4 - ADMINISTRATION OF THE SYSTEM

The System is administered by a five person Board of Retirement consisting of the Town Accountant who shall be a member ex officio, a second member appointed by the governing authority, a third and fourth member who shall be elected by the members in or retired from the service of such system, and a fifth member appointed by the other four board members.

Ex officio Member: John P. Pyne, Jr.

Appointed Member: Michael A. Diorio Term Expires: 06/30/03

Elected Member: Gerald F. Hennessy Term Expires: 06/30/04

Elected Member: Barbara A. Auger Term Expires: 06/30/05

Appointed Member: Ernest P. Pettinari Term Expires: 01/27/06

The Board members are required to meet at least once a month. The Board must keep a record of all of its proceedings. The Board must annually submit to the appropriate authority an estimate of the expenses of administration and cost of operation of the system. The board must annually file a financial statement of condition for the system with the Executive Director of PERAC.

The investment of the system's funds is the responsibility of the Board. All retirement allowances must be approved by the Retirement Board and are then submitted to the PERAC Actuary for verification prior to payment. All expenses incurred by the System must be approved by at least two members of the Board.

The following retirement board members and employees are bonded by an authorized agent representing a company licensed to do business in Massachusetts as follows:

Treasurer - Custodian:)	
Ex officio Member:)	\$30,000,000/\$1,000,000
Elected Member:)	MACRS Policy
Appointed Member:)	Cray Dowd Ins Agency
Staff Employee:)	

NOTES TO FINANCIAL STATEMENTS (Continued)

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

NOTE 5 - ACTUARIAL VALUATION AND ASSUMPTIONS

The most recent actuarial valuation of the System was prepared by the **Segal Company** as of **January 1**, **2000**.

The actuarial liability for active members was	\$	28,249,800
The actuarial liability for vested terminated members was		88,500
The actuarial liability for retired members was		21,474,700
The total actuarial liability was		49,813,000
System assets as of that date were		40,363,100
The unfunded actuarial liability was	<u>\$</u>	9,449,900
The ratio of system's assets to total actuarial liability was		81.0%
As of that date the total covered employee payroll was	\$	12,664,300

The normal cost for employees on that date was

7.80% of payroll

The normal cost for the employer excluding admin expense was

7.10% of payroll

The principal actuarial assumptions used in the valuation are as follows:

Investment Return: 8.00% per annum Rate of Salary Increase: 5.00% per annum

GASB STATEMENT NO. 25, DISCLOSURE INFORMATION AS OF JANUARY 1, 2000

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a % of Cov. Payroll ((b-a)/c)
1/1/2000	\$40,363,100	\$49,813,000	\$9,449,900	81.0%	\$12,664,300	74.62%
1/1/1997	27,279,500	37,987,000	10,707,500	71.8%	\$11,305,400	94.71%

$\underline{NOTES\ TO\ FINANCIAL\ STATEMENTS}\ (Continued)$

FOR THE THREE YEAR PERIOD ENDING DECEMBER 31, 2001

NOTE 6 - MEMBERSHIP EXHIBIT

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Retirement in Past Years	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Superannuation	8	8	9	8	7	8	14	9	13	9
Ordinary Disability	0	0	0	0	0	0	0	0	0	0
Accidental Disability	0	0	0	2	1	0	0	0	2	1
Total Retirements	8	8	9	10	8	8	14	9	15	10
							,	,		
Total Retirees, Beneficiaries and										
Survivors	196	201	207	214	215	221	230	230	237	244
								,		
Total Active Members	415	405	400	412	421	425	426	422	456	470
Pension Payments										
Superannuation	\$960,440	\$1,013,441	\$1,082,960	\$1,117,768	\$1,171,017	\$1,233,905	\$1,337,893	\$1,495,423	\$1,599,168	\$1,675,545
Survivor/Beneficiary Payments	56,323	56,304	56,759	32,443	58,657	58,931	71,281	79,202	84,571	124,347
Ordinary Disability	34,909	34,909	35,314	35,719	35,854	36,529	35,249	27,399	28,683	30,877
Accidental Disability	338,739	320,611	344,764	372,090	451,341	438,927	437,067	391,988	446,200	502,281
Other	106,150	130,008	127,542	143,654	151,583	150,335	156,072	158,514	152,002	151,171
Total Payments for Year	\$1,496,561	\$1,555,273	\$1,647,339	\$1,701,674	\$1,868,452	\$1,918,627	\$2,037,562	\$2,152,526	\$2,310,624	\$2,484,222